

CLAIMS

What is claimed is:

1. A system to provide feedback on a face in a video image received
2 by a wireless communication device, the system comprising:
a video-input device to receive the video image;
4 an image-recognition processor coupled to the video-input device to
receive and analyze the video image, wherein the image-recognition processor
6 is configured to recognize characteristics of the face in the received video image,
compare the characteristics of the face in the received video image to a
8 predetermined set of face-characteristics and selectively generate a feedback
signal based on the comparison;
10 a signaling device to receive the selectively-generated feedback signal
and selectively generate a user-signal based at least in part on the feedback
12 signal received from the image-recognition processor; and
a transmitter to transmit the received video image to a remote location.
2. The system of claim 1 wherein the selectively-generated feedback
2 signal is one of a predetermined set of feedback signals to convey information
related to the comparison of the characteristics of the face in the received video
4 image to the predetermined set of face-characteristics and the user-signal is one
of a predetermined set of user-signals to convey information to the user related
6 to the comparison of the face in the received video image to the predetermined
set of face-characteristics.
3. The system of claim 1 wherein the selectively-generated user-
2 signal comprises an audio signal.
4. The system of claim 1 wherein the selectively-generated user-
2 signal comprises a visual signal.

5. The system of claim 4 wherein the selectively-generated user-
2 signal comprises a video signal.

6. A system to provide feedback on a face in a video image received
2 by a wireless communication device, the system comprising:

a video-input device to receive the video image;

4 an image-recognition processor coupled to the video-input device to
receive and analyze the video image, wherein the image-recognition processor
6 is configured to recognize characteristics of the face in the received video image,
compare the characteristics of the face in the received video image to a
8 predetermined set of face-characteristics and selectively generate a feedback
signal based on the comparison;

10 an image-adjustment device to adjust the image received by the video-
input device, wherein the adjustment is based at least in part on the selectively-
12 generated feedback signal; and

a transmitter to transmit the received video image to a remote location.

7. The system of claim 6 wherein the selectively-generated feedback
2 signal is one of a set of predetermined feedback signals.

8. A method to provide feedback on a face in a video image received
2 by a wireless communication device, the method comprising:

receiving the video image;

4 comparing characteristics of the face in the received video image to a
predetermined set of face-characteristics;

6 selectively generating a user-signal based at least in part on the
comparison of the face in the received video image to the predetermined set of
8 face-characteristics; and

transmitting the received video image to a remote location.

9. The method of claim 8 wherein the selectively-generated user-

- 2 signal is one of a predetermined set of user-signals to convey information to the
 user related to the comparison of the face in the received video image to the
 4 predetermined set of face-characteristics.

10. The method of claim 8 wherein the selectively-generated user-
 2 signal comprises an audio signal.

11. The method of claim 8 wherein the selectively-generated user-
 2 signal comprises a visual signal.

12. The method of claim 11 wherein the selectively-generated user-
 2 signal comprises a video signal.

13. A method to provide feedback on a face in a video image received
 2 by a wireless communication device, the method comprising:
 receiving the video image;
 4 comparing characteristics of the face in the received video image to a
 predetermined set of face-characteristics;
 6 automatically adjusting the wireless communications device based at
 least in part on the comparison of the characteristics of the face in the received
 8 video image to the predetermined set of face characteristics; and
 transmitting the received video image to a remote location.